OM protein - protein search, using sw model

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GenCore version 5.1.6

Run on: November 17, 2005, 23:04:44 ; Search time 16.0699 Seconds
(without alignments)
1830.235 Million cell updates/sec

Title: US-10-612-668-17
Perfect score: 2084
Sequence: 1 MQFPGRLVNTFSGVTNLFSN................EVDTPNDFGETPTFLASKIG 394

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :   Issued_Patents_AA:*
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Match Length	DB ID	Description
1	2084	100.0	394	2	US-08-555-568B-17	Sequence 17, Appl
2	2084	100.0	394	3	US-09-519-223-17	Sequence 17, Appl
3	2084	100.0	394	2	US-09-927-180-17	Sequence 17, Appl
4	2084	100.0	687	3	US-08-555-568B-21	Sequence 21, Appl
5	2084	100.0	687	3	US-09-519-223-21	Sequence 21, Appl
6	2084	100.0	687	3	US-09-927-180-21	Sequence 21, Appl
7	2084	100.0	688	2	US-08-555-568B-23	Sequence 23, Appl
8	2084	100.0	688	3	US-09-519-223-23	Sequence 23, Appl
9	2084	100.0	688	4	US-09-927-180-23	Sequence 23, Appl
10	2078	99.7	819	4	US-09-949-016-10948	Sequence 10948, A
11	1837	88.1	752	5	PCT-US95-08069-2	Sequence 2, Appli
12	1837	88.1	752	1	US-09-270-767-46130	Sequence 46130, A
13	1837	88.1	752	2	US-08-735-716-2	Sequence 2, Appl
14	1837	88.1	752	2	US-08-422-106-2	Sequence 2, Appli
15	1837	88.1	752	3	US-08-281-193-2	Sequence 2, Appl
16	1837	88.1	752	2	US-09-519-223-2	Sequence 2, Appl
17	1837	88.1	752	2	US-09-927-180-2	Sequence 2, Appli
18	494.5	23.7	896	4	US-09-270-767-61684	Sequence 61684, A
19	359.5	17.3	545	4	US-09-172-977-3	Sequence 3, Appli
20	338	16.2	843	2	US-09-404-108-3	Sequence 3, Appli
21	338	16.2	843	4	US-09-172-977-4	Sequence 4, Appli
22	332	15.9	1839	4	US-09-404-108-4	Sequence 4, Appli
23	332	15.9	1839	3	US-09-172-977-4	Sequence 4, Appli
24	332	15.9	2753	4	US-09-016-7659	Sequence 7659, Ap
25	332	15.9	2753	4	US-09-949-016-7660	Sequence 7660, Ap
26	332	15.9	3924	4	US-09-558-092-1246	Sequence 1246, Ap
27	305.5	14.7	1745	2	US-08-847-429A-33	Sequence 33, Appl
28	305.5	14.7	1745	2	US-08-847-429A-33	Sequence 33, Appl
29	305.5	14.7	1745	3	US-09-065-474-33	Sequence 33, Appl
30	305.5	14.7	1745	3	US-09-557-034-33	Sequence 33, Appl
31	301	14.4	786	4	US-09-509-802-2	Sequence 2, Appli
32	301	14.4	787	3	US-09-188-930-334	Sequence 334, App
33	301	14.4	787	3	US-09-312-283C-334	Sequence 334, App
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37	294	14.1	1719	4	US-09-949-016-6966	Sequence 6966, Ap
38	294	14.1	1856	4	US-09-949-016-6964	Sequence 6964, Ap
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43	294	14.1	1883	4	US-09-949-016-9012	Sequence 9012, Ap
44	294	14.1	1883	4	US-09-949-016-9013	Sequence 9013, Ap
45	294	14.1	1883	4	US-09-949-016-9014	Sequence 9014, Ap

ALIGNMENTS

RESULT 1
US-08-555-568B-17
Sequence 17, Application US/08555568B
Patent No. 5976854

; GENERAL INFORMATION:

; APPLICANT: Tang, Jim
; APPLICANT: Jones, Simon
; TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/555,568B
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 394 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-555-568B-17

Query Match   100.0%; Score 2084; DB 2; Length 394;
Best Local Similarity   100.0%;
Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy   61 NPRNSQSGFRLFQLELEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLTDLIRNHPSW 120
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Sequence 17, Application US/09519223
; Patent No. 6274140
; GENERAL INFORMATION:
; APPLICANT: Jones, Simon
; APPLICANT: Tang, Jim
; TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/519,223
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/555,568
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 394 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-09-519-223-17
Query Match   100.00%; Score 2084; DB 3; Length 394;
Best Local Similarity 100.0%; Pred No. 5e-223;
Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-09-519-223-17

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RESULT 3
US-09-927-180-17
Sequence 17, Application US/09927180
; Patent No. 6645736
; GENERAL INFORMATION:
; APPLICANT: Jones, Simon
; APPLICANT: Tang, Jim
; TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/927,180
; FILING DATE: 09-Aug-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/519,223
; FILING DATE: <Unknown>
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 394 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 17:

US-09-927-180-17
Query Match   100.00%; Score 2084; DB 4; Length 394;
Best Local Similarity 100.0%; Pred No. 5e-223;
Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OM protein - protein search, using sw model

Run on: November 17, 2005, 23:15:10 ; Search time 81.4975 Seconds
   (without alignments)
   2022.804 Million cell updates/sec

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GenCore version 5.1.6

Title: US-10-612-668-17
Perfect score: 2084
Sequence: 1 MQFPGRLVNTFSGVTNLFSN.........EVDTPNDFGETPTFLASKIG 394

Scoring table: BLOSUM62
Scoring: Gapop 10.0 , Gapext 0.5

Searched: 1867879 seqs, 418409474 residues

Total number of hits satisfying chosen parameters: 1867879

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
    Maximum Match 100%
    Listing first 45 summaries

Database : Published Applications AA:*
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 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
 3: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
 4: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
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 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Match Length	DB	ID	Description
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2	2084	100.0	394	18	US-10-612-668-17	Sequence 17, Appl
3	2084	100.0	687	9	US-10-927-180-21	Sequence 21, Appl
4	2084	100.0	687	18	US-10-612-668-21	Sequence 21, Appl
5	2084	100.0	688	18	US-09-927-180-23	Sequence 23, Appl
6	2084	100.0	688	9	US-10-612-668-23	Sequence 23, Appl
7	1837	88.1	752	9	US-09-927-180-2	Sequence 2, Appl
8	1837	88.1	752	18	US-10-612-668-2	Sequence 2, Appli
9	1234.5	59.2	667	15	US-10-108-260A-3778	Sequence 3778, Ap
10	494.5	23.7	667	20	US-11-097-143-14664	Sequence 14664, A
11	324	15.5	1330	15	US-10-108-260A-3237	Sequence 3237, Ap
12	313.5	15.0	1549	20	US-11-097-143-1776	Sequence 1776, Ap
13	313.5	15.0	1549	20	US-11-097-143-29028	Sequence 29028, A
14	302.5	14.9	2443	20	US-11-097-143-8355	Sequence 8355, Ap
15	301	14.4	786	14	US-10-164-080-2	Sequence 2, Appli
16	301	14.4	786	14	US-10-299-327-2	Sequence 2, Appli
17	301	14.4	786	14	US-10-128-174-13	Sequence 13, Appl
18	301	14.4	786	14	US-10-128-174-31	Sequence 31, Appl
19	301	14.4	787	14	US-10-128-174-32	Sequence 32, Appl
20	301	14.4	787	14	US-10-128-174-33	Sequence 33, Appl
21	301	14.4	347	10	US-09-866-050A-334	Sequence 334, App
22	301	14.4	787	14	US-10-128-174-30	Sequence 30, Appl
23	300.5	14.4	1724	18	US-10-975-523-43	Sequence 43, Appl
24	300.5	14.4	1724	9	US-10-479-764-22	Sequence 22, Appl
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28	296	14.2	4274	18	US-10-756-149-4917	Sequence 4917, Ap
29	296	14.2	4377	18	US-10-450-763-37734	Sequence 37734, A
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31	296	14.2	1762	14	US-10-205-194-117	Sequence 117, App
32	296	14.2	784	14	US-10-258-951-70	Sequence 70, Appl
33	288	13.8	784	18	US-10-923-035-56	Sequence 56, Appl
34	284	13.6	784	18	US-10-990-000-70	Sequence 70, Appl
35	284	13.6	784	18	US-10-354-358-38	Sequence 38, Appl
36	284	13.6	784	14	US-10-128-174-12	Sequence 12, Appl
37	283.5	13.6	784	14	US-10-655-904-2	Sequence 2, Appli
38	283.5	13.6	784	14	US-10-433-794-20	Sequence 20, Appl
39	281.5	13.5	720	15	US-10-128-174-3	Sequence 3, Appli
40	280.5	13.5	784	15	US-10-128-174-34	Sequence 34, Appl
41	280.5	13.5	765	14	US-10-128-174-35	Sequence 35, Appl
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ALIGNMENTS

RESULT 1
US-09-927-180-17
Sequence 17, Application US/09927180
Patent No. US2002010636441
GENERAL INFORMATION:
 APPLICANT: Jones, Simon
     Tang, Jim
 TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
  ADDRESSEE: Genetics Institute, Inc.
  STREET: 87 CambridgePark Drive
  CITY: Cambridge
  STATE: Massachusetts
  COUNTRY: U.S.A.
  ZIP: 02140
 COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
 CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/927,180
  FILING DATE: 09-Aug-2001
  CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
  APPLICATION NUMBER: 09/519,223
  FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
  NAME: Brown, Scott A.
  REGISTRATION NUMBER: 32,724
 TELECOMMUNICATION INFORMATION:
  TELEPHONE: (617) 499-8224
  TELEFAX: (617) 876-5851

Left column

INFORMATION FOR SEQ ID NO: 17:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 394 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
  MOLECULE TYPE: protein
  SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-09-927-180-17

Query Match   100.0%; Score 2084; DB 9; Length 394;
Best Local Similarity   100.0%; Pred. No. 6.5e-191;
Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db    61 NPRNSQSGFRLFQLELEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLTDLIRNHPSW 120

Qy   121 SVAHLAVELGIRECFHHSRIISCANCANEEBGCTPLHLACRKGDGEILVELVQYCHTQMD 180
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Db   121 SVAHLAVELGIRECFHHSRIISCANCANEEBGCTPLHLACRKGDGEILVELVQYCHTQMD 180

Qy   181 VTDYKGETVFHYAVQGDNSQVLQLLGRNAVAGLNQVNNQGLTPLHLACQLGKQEMVRVLL 240
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Qy   241 LCNARCNIMGPNGYPIHSAMKFSQKGCAEMIISMDSSQIHSKDPRYGASPLHWAKNAEMA 300
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Qy   301 RMLLKRGCNVNSTSSAGNTALHVGVMRNRFDCAIVLLTHGANADARGEHGNTPLHLAMSK 360
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Qy   361 DNVEMIKALIVFGAEVDTPNDFGETPTFLASKIG 394
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RESULT 2
US-10-612-668-17
  Sequence 17, Application US/10612668
  Publication No. US2005019852A1
  GENERAL INFORMATION:
  APPLICANT: Jones, Simon
            Tang, Jim
  TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
  NUMBER OF SEQUENCES: 25
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: Genetics Institute, Inc.
    STREET: 87 CambridgePark Drive
    CITY: Cambridge
    STATE: Massachusetts
    COUNTRY: U.S.A.
    ZIP: 02140
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/10/612,668
    FILING DATE: 01-Jul-2003
    CLASSIFICATION: <Unknown>
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US/09/927,180
    FILING DATE: 09-Aug-2001
    APPLICATION NUMBER: 09/519,223
    FILING DATE: <Unknown>
  ATTORNEY/AGENT INFORMATION:

Right column

    NAME: Brown, Scott A.
    REGISTRATION NUMBER: 32,724
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: (617) 498-8224
    TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 17:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 394 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
  MOLECULE TYPE: protein
  SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-612-668-17

Query Match   100.0%; Score 2084; DB 18; Length 394;
Best Local Similarity   100.0%; Pred. No. 6.5e-191;
Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy    61 NPRNSQSGFRLFQLELEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLTDLIRNHPSW 120
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Db    61 NPRNSQSGFRLFQLELEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLTDLIRNHPSW 120

Qy   121 SVAHLAVELGIRECFHHSRIISCANCANEEBGCTPLHLACRKGDGEILVELVQYCHTQMD 180
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   121 SVAHLAVELGIRECFHHSRIISCANCANEEBGCTPLHLACRKGDGEILVELVQYCHTQMD 180

Qy   181 VTDYKGETVFHYAVQGDNSQVLQLLGRNAVAGLNQVNNQGLTPLHLACQLGKQEMVRVLL 240
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Qy   241 LCNARCNIMGPNGYPIHSAMKFSQKGCAEMIISMDSSQIHSKDPRYGASPLHWAKNAEMA 300
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Qy   361 DNVEMIKALIVFGAEVDTPNDFGETPTFLASKIG 394
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RESULT 3
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  Sequence 21, Application US/09927180
  Patent No. US2002016364A1
  GENERAL INFORMATION:
  APPLICANT: Jones, Simon
            Tang, Jim
  TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
  NUMBER OF SEQUENCES: 25
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: Genetics Institute, Inc.
    STREET: 87 CambridgePark Drive
    CITY: Cambridge
    STATE: Massachusetts
    COUNTRY: U.S.A.
    ZIP: 02140
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/09/927,180
    FILING DATE: 09-Aug-2001
    CLASSIFICATION: <Unknown>
  PRIOR APPLICATION DATA:

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                       Copyright (c) 1993 - 2005 Compugen Ltd.

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OM protein - protein search, using sw model

Title:           US-10-612-668-19
Perfect score:   1531
Sequence:        1 LQDLMHISRARKPAFILGSM...........GAKELGKMVVDCCTDPDGRP 292

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                 Gapop 10.0 , Gapext 0.5

Searched:        513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters:       513545

Maximum DB seq length: 2000000000
Minimum DB seq length: 0

Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                                  SUMMARIES
                          %
Result            Query   Match
No.      Score    Length  DB     DB ID               Description
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  1      1531     100.0   292  2  US-08-555-568B-19   Sequence 19, Appl
  2      1531     100.0   292  3  US-09-519-223-19    Sequence 19, Appl
  3      1531     100.0   292  4  US-09-927-180-19    Sequence 19, Appl
  4      1531     100.0   687  2  US-08-555-568B-21   Sequence 21, Appl
  5      1531     100.0   687  3  US-09-519-223-21    Sequence 21, Appl
  6      1531     100.0   687  4  US-09-927-180-21    Sequence 21, Appl
  7      1531     100.0   688  2  US-08-555-568B-23   Sequence 23, Appl
  8      1531     100.0   688  3  US-09-519-223-23    Sequence 23, Appl
  9      1531     100.0   688  4  US-09-927-180-23    Sequence 23, Appl
 10      1524     99.5   819  4   US-09-949-016-10948 Sequence 10948, A
 11      1471     96.1   752  1   US-08-281-193-2     Sequence 2, Appli
 12      1471     96.1   752  1   US-08-422-106-2     Sequence 2, Appli
 13      1471     96.1   752  1   US-08-733-716-2     Sequence 2, Appli
 14      1471     96.1   752  2   US-08-555-568B-2    Sequence 2, Appli
 15      1471     96.1   752  3   US-09-519-223-2     Sequence 2, Appli
 16      1471     96.1   752  5   PCT-US95-08069-2    Sequence 2, Appli
 17      1471     96.1   752  4   US-09-927-180-2     Sequence 2, Appli
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 19      610      39.8   545  4   US-09-270-767-46130 Sequence 46130, A
 20      371      24.2   143  4   US-09-755-630B-290  Sequence 290, App
 21      177      11.6   410  4   US-09-755-630B-292  Sequence 292, App
 22      177      11.6   410  4   US-09-755-274-10    Sequence 10, Appl
 23      177      11.6   410  4   US-09-755-274-12    Sequence 12, Appl
 24      177      11.6   410  4   US-09-755-630B-293  Sequence 293, App
 25      175      11.4   337  4   US-09-755-274-13    Sequence 13, Appl
 26      175      11.4   337  4   US-08-449-986-2     Sequence 2, Appl
 27      175      11.4   410  2   US-08-555-568B-19
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ALIGNMENTS

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 28      175      11.4   410  2   US-08-756-955-2     Sequence 2, Appl
 29      175      11.4   410  4   US-09-755-630B-288  Sequence 288, App
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 33      175      11.4   508  4   US-09-755-630B-289  Sequence 289, App
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 35      142.5    9.3    383  1   US-07-936-163-4     Sequence 4, Appli
 36      175      9.1    381  4   US-07-936-163-3     Sequence 3, Appli
 37      175      9.1    383  4   US-07-936-163-278   Sequence 278, Appl
 38      140      9.1    386  4   US-09-755-630B-278  Sequence 5, Appl
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 40      140      9.1    366  4   US-09-755-630B-263  Sequence 263, App
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US-08-555-568B-19
Sequence 19, Application US/08555568B

Patent No. 5976854
; GENERAL INFORMATION:
;  APPLICANT: Jones, Simon
;  APPLICANT: Tang, Jim
;  TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
;  NUMBER OF SEQUENCES: 25
;  CORRESPONDENCE ADDRESS:
;  ADDRESSEE: Genetics Institute, Inc.
;  STREET: 87 CambridgePark Drive
;  CITY: Cambridge
;  STATE: Massachusetts
;  COUNTRY: U.S.A.
;  ZIP: 02140
;  COMPUTER READABLE FORM:
;  MEDIUM TYPE: Floppy disk
;  COMPUTER: IBM PC compatible
;  OPERATING SYSTEM: PC-DOS/MS-DOS
;  SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
;  CURRENT APPLICATION DATA:
;  APPLICATION NUMBER: US/08/555,568
;  FILING DATE:
;  CLASSIFICATION: 435
;  ATTORNEY/AGENT INFORMATION:
;  NAME: Brown, Scott A.
;  REGISTRATION NUMBER: 32,724
;  TELECOMMUNICATION INFORMATION:
;  TELEPHONE: (617) 498-8224
;  TELEFAX: (617) 876-5851
;  INFORMATION FOR SEQ ID NO: 19:
;  SEQUENCE CHARACTERISTICS:
;  LENGTH: 292 amino acids
;  TYPE: amino acid
;  TOPOLOGY: linear
;  MOLECULE TYPE: protein
US-08-555-568B-19

  Query Match             100.0%;  Score 1531;  DB 2;  Length 292;
  Best Local Similarity   100.0%;  Pred. No. 9.1e-168;
  Matches  292;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1  LQDLMHISRARKPAFILGSMRDEKRTHDHLLCLDGGGVKGLIIIQLLIAIEKASGVATKD  60

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Qy    121 HTKMTDVRKPKVWLTGTLSDRQPAELHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLV 180
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Db    121 HTKMTDVRKPKVWLTGTLSDRQPAELHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLV 180

Qy    181 WRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGQANKVKKLSIV 240
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Db    181 WRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGQANKVKKLSIV 240

Qy    241 VSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVVDCCTDPDGRP 292
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RESULT 2
US-09-519-223-19
; Sequence 19, Application US/09519223
; Patent No. 6274140
; GENERAL INFORMATION:
;   APPLICANT: Jones, Simon
;   APPLICANT: Tang, Jim
;   TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
;   NUMBER OF SEQUENCES: 25
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Genetics Institute, Inc.
;   STREET: 87 CambridgePark Drive
;   CITY: Cambridge
;   STATE: Massachusetts
;   COUNTRY: U.S.A.
;   ZIP: 02140
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/519,223
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/08/555,568
;   FILING DATE:
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Brown, Scott A.
;   REGISTRATION NUMBER: 32,724
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (617) 498-8224
;   TELEFAX: (617) 876-5851
;   INFORMATION FOR SEQ ID NO: 19:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 292 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein

US-09-519-223-19

Query Match   100.0%; Score 1531; DB 3; Length 292;
Best Local Similarity   100.0%; Pred. No. 9.1e-168;
Matches 292; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

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Db      1 LQDLMHISRARKPAFILGSMRDEKRTHDHLLCLDGGGVKGLIIQLLIAIEKASGVATKD 60

Qy     61 LFDWVAGTSTGGILALAILHSKSMAYMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGE 120
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Qy    121 HTKMTDVRKPKVWLTGTLSDRQPAELHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLV 180
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Qy    241 VSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVVDCCTDPDGRP 292
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RESULT 3
US-09-927-180-19
; Sequence 19, Application US/09927180
; Patent No. 6645736
; GENERAL INFORMATION:
;   APPLICANT: Jones, Simon
;   APPLICANT: Tang, Jim
;   TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
;   NUMBER OF SEQUENCES: 25
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Genetics Institute, Inc.
;   STREET: 87 CambridgePark Drive
;   CITY: Cambridge
;   STATE: Massachusetts
;   COUNTRY: U.S.A.
;   ZIP: 02140
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: 09/927,180
;   FILING DATE: 09-Aug-2001
;   CLASSIFICATION: <Unknown>
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 09/519,223
;   FILING DATE: <Unknown>
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Brown, Scott A.
;   REGISTRATION NUMBER: 32,724
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (617) 498-8224
;   TELEFAX: (617) 876-5851
;   INFORMATION FOR SEQ ID NO: 19:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 292 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   SEQUENCE DESCRIPTION: SEQ ID NO: 19:

US-09-927-180-19

Query Match   100.0%; Score 1531; DB 4; Length 292;
Best Local Similarity   100.0%; Pred. No. 9.1e-168;
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Qy     61 LFDWVAGTSTGGILALAILHSKSMAYMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGE 120
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Qy    121 HTKMTDVRKPKVWLTGTLSDRQPAELHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLV 180
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Db    121 HTKMTDVRKPKVWLTGTLSDRQPAELHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLV 180

Qy    181 WRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGQANKVKKLSIV 240
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Db    181 WRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGQANKVKKLSIV 240

Qy    241 VSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVVDCCTDPDGRP 292
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Db    241 VSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVVDCCTDPDGRP 292
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OM protein - protein search, using sw model

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GenCore version 5.1.6

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Searched: 1867879 seqs, 418409474 residues

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1531	100.0	292	9	US-09-927-180-19	Sequence 19, Appl
2	1531	100.0	292	18	US-10-612-668-19	Sequence 19, Appl
3	1531	100.0	687	9	US-09-927-180-21	Sequence 21, Appl
4	1531	100.0	687	18	US-10-612-668-21	Sequence 21, Appl
5	1531	100.0	688	9	US-09-927-180-23	Sequence 23, Appl
6	1531	100.0	688	18	US-10-612-668-23	Sequence 23, Appl
7	1524	99.5	667	15	US-10-108-260A-3778	Sequence 3778, Ap
8	1471	96.1	752	9	US-09-927-180-2	Sequence 2, Appli
9	1471	96.1	752	18	US-10-612-668-2	Sequence 2, Appl
10	736	48.1	877	20	US-11-097-143-14664	Sequence 14664, A
11	456.5	29.8	1071	15	US-10-369-493-6865	Sequence 6865, Ap

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

No.	Score	%	Length	DB	ID	Description
12	419	27.4	1023	15	US-10-369-493-6689	Sequence 6689, Ap
13	419	27.4	1023	15	US-10-369-493-6690	Sequence 6690, Ap
14	261	17.0	468	15	US-10-369-493-4998	Sequence 4998, Ap
15	245	16.0	1053	16	US-10-425-115-196524	Sequence 196524,
16	235	15.3	1254	16	US-10-437-963-169583	Sequence 169583,
17	234	15.3	387	17	US-10-421-654-66	Sequence 66, Appl
18	234	15.3	387	17	US-10-796-907-66	Sequence 66, Appl
19	370	9	387	17	US-09-925-300-1483	Sequence 1483, Ap
20	211.5	13.8	562	17	US-09-925-300-21	Sequence 21, Appl
21	211.5	13.8	661	17	US-10-786-505-18	Sequence 18, Appl
22	211.5	13.8	682	16	US-10-786-505-18	Sequence 18, Appl
23	211.5	13.8	682	17	US-10-181-069-9	Sequence 9, Appli
24	211.5	13.8	782	17	US-10-786-505-15	Sequence 15, Appl
25	208.5	13.6	350	15	US-10-421-654-100	Sequence 100, App
26	208.5	13.6	350	17	US-10-796-907-100	Sequence 100, App
27	207.5	13.6	308	17	US-10-796-907-132	Sequence 132, App
28	204.5	13.4	577	15	US-10-310-154-616	Sequence 616, App
29	201	13.1	315	15	US-10-424-599-259117	Sequence 259117,
30	201	13.1	382	15	US-10-310-154-615	Sequence 615, APP
31	195.5	12.8	382	15	US-10-437-963-258423	Sequence 258423,
32	193.5	12.6	387	16	US-10-437-963-177823	Sequence 177823,
33	190	12.4	378	15	US-10-310-154-18	Sequence 18, Appl
34	190	12.4	378	17	US-10-421-654-18	Sequence 18, Appl
35	182	11.9	37	20	US-11-028-376-13	Sequence 13, Appl
36	182	11.9	37	20	US-10-796-907-18	Sequence 18, Appl
37	178	11.6	435	16	US-11-010-558-6	Sequence 6, Appli
38	178	11.6	410	10	US-10-425-115-343159	Sequence 343159,
39	177	11.6	410	16	US-09-755-630A-290	Sequence 290, App
40	177	11.6	410	16	US-09-755-630A-292	Sequence 292, App
41	177	11.6	410	16	US-10-658-180-290	Sequence 290, App
42	177	11.6	410	16	US-10-658-180-292	Sequence 292, App
43	177	11.6	410	16	US-10-682-011-10	Sequence 10, Appl
44	177	11.6	434	16	US-10-425-114-39447	Sequence 39447, A
45	177	11.6	437	15	US-10-425-114-39376	Sequence 39376, A

ALIGNMENTS

RESULT 1
US-09-927-180-19
Sequence 19, Application US/09927180
Patent No. US20020163364A1
; GENERAL INFORMATION:
APPLICANT: Jones, Simon
APPLICANT: Tang, Jim
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/927,180
FILING DATE: 09-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/519,223
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 19:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 292 amino acids
    TYPE: amino acid
    TOPOLOGY: linear
  MOLECULE TYPE: protein
  SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-927-180-19

Query Match   100.0%; Score 1531; DB 9; Length 292;
Best Local Similarity   100.0%; Pred. No. 4.1e-152;
Matches 292; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

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Db   1 LQDLMHISRARKPAFILGSMRDEKRTHDHLLCLDGGGVKGLIIIQLLIAIEKASGVATKD 60

Qy   61 LFDWVAGTSTGGILALAILHSKSMAYMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGE 120
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Db   61 LFDWVAGTSTGGILALAILHSKSMAYMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGE 120

Qy   121 HTKMTDVRKPKVMLTGTLSDRQPAELHLFRNYDAPETVREPRRFNQNVNLRPPAQPSDQLV 180
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Db   121 HTKMTDVRKPKVMLTGTLSDRQPAELHLFRNYDAPETVREPRRFNQNVNLRPPAQPSDQLV 180

Qy   181 WRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGQANKVKKLSIV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   181 WRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGQANKVKKLSIV 240

Qy   241 VSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVVDCCTDPDGRP 292
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Db   241 VSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVVDCCTDPDGRP 292

RESULT 2
US-10-612-668-19
  Sequence 19, Application US/10612668
  Publication No. US20050196852A1
  GENERAL INFORMATION:
    APPLICANT: Jones, Simon
                Tang, Jim
    TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
    NUMBER OF SEQUENCES: 25
    CORRESPONDENCE ADDRESS:
      ADDRESSEE: Genetics Institute, Inc.
      STREET: 87 CambridgePark Drive
      CITY: Cambridge
      STATE: Massachusetts
      COUNTRY: U.S.A.
      ZIP: 02140
    COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/10/612,668
      FILING DATE: 01-Jul-2003
      CLASSIFICATION: <Unknown>
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US/09/927,180
      FILING DATE: 09-Aug-2001
      APPLICATION NUMBER: 09/519,223
      FILING DATE: <Unknown>
    ATTORNEY/AGENT INFORMATION:
      NAME: Brown, Scott A.
      REGISTRATION NUMBER: 32,724
    TELECOMMUNICATION INFORMATION:
      TELEPHONE: (617) 498-8224
      TELEFAX: (617) 876-5851
  INFORMATION FOR SEQ ID NO: 19:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 292 amino acids

  TYPE: amino acid
  TOPOLOGY: linear
  MOLECULE TYPE: protein
  SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-612-668-19

Query Match   100.0%; Score 1531; DB 18; Length 292;
Best Local Similarity   100.0%; Pred. No. 4.1e-152;
Matches 292; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 LQDLMHISRARKPAFILGSMRDEKRTHDHLLCLDGGGVKGLIIIQLLIAIEKASGVATKD 60
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Db   1 LQDLMHISRARKPAFILGSMRDEKRTHDHLLCLDGGGVKGLIIIQLLIAIEKASGVATKD 60

Qy   61 LFDWVAGTSTGGILALAILHSKSMAYMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGE 120
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Db   61 LFDWVAGTSTGGILALAILHSKSMAYMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGE 120

Qy   121 HTKMTDVRKPKVMLTGTLSDRQPAELHLFRNYDAPETVREPRRFNQNVNLRPPAQPSDQLV 180
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Db   121 HTKMTDVRKPKVMLTGTLSDRQPAELHLFRNYDAPETVREPRRFNQNVNLRPPAQPSDQLV 180

Qy   181 WRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGQANKVKKLSIV 240
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Db   181 WRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGQANKVKKLSIV 240

Qy   241 VSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVVDCCTDPDGRP 292
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db   241 VSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVVDCCTDPDGRP 292

RESULT 3
US-09-927-180-21
  Sequence 21, Application US/09927180
  Patent No. US2002010636A1
  GENERAL INFORMATION:
    APPLICANT: Jones, Simon
                Tang, Jim
    TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
    NUMBER OF SEQUENCES: 25
    CORRESPONDENCE ADDRESS:
      ADDRESSEE: Genetics Institute, Inc.
      STREET: 87 CambridgePark Drive
      CITY: Cambridge
      STATE: Massachusetts
      COUNTRY: U.S.A.
      ZIP: 02140
    COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/927,180
      FILING DATE: 09-Aug-2001
      CLASSIFICATION: <Unknown>
    PRIOR APPLICATION DATA:
      APPLICATION NUMBER: 09/519,223
      FILING DATE: <Unknown>
    ATTORNEY/AGENT INFORMATION:
      NAME: Brown, Scott A.
      REGISTRATION NUMBER: 32,724
    TELECOMMUNICATION INFORMATION:
      TELEPHONE: (617) 498-8224
      TELEFAX: (617) 876-5851
  INFORMATION FOR SEQ ID NO: 21:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 687 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
    MOLECULE TYPE: protein
    SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-09-927-180-21

OM protein - protein search, using sw model

Run on: November 17, 2005, 23:04:44 ; Search time 28.0204 Seconds
(without alignments)
1830.235 Million cell updates/sec

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GenCore version 5.1.6

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Perfect score: 3620
Sequence: 1 MQFPGRLVNTFSGVTNLFSN.........GAKELGKMVVDCCTDPDGRP 687

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	Match ID	Description
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2	3620	100.0	687	3	US-09-519-223-21	Sequence 21, Appl
3	3620	100.0	687	4	US-09-927-180-21	Sequence 21, Appl
4	3606.5	99.6	688	2	US-08-555-568B-23	Sequence 23, Appl
5	3606.5	99.6	688	3	US-09-519-223-23	Sequence 23, Appl
6	3606.5	99.6	688	4	US-09-927-180-23	Sequence 23, Appl
7	3566.5	98.5	819	4	US-09-949-016-10948	Sequence 10948, A
8	3302.5	91.2	752	1	US-08-281-193-2	Sequence 2, Appli
9	3302.5	91.2	752	2	US-08-422-106-2	Sequence 2, Appli
10	3302.5	91.2	752	2	US-08-735-716-2	Sequence 2, Appli
11	3302.5	91.2	752	2	US-08-555-568B-2	Sequence 2, Appli
12	3302.5	91.2	752	3	US-09-519-223-2	Sequence 2, Appli
13	3302.5	91.2	752	4	US-09-927-180-2	Sequence 2, Appli
14	3302.5	91.2	752	5	PCT-US95-08069-2	Sequence 2, Appli
15	2084	57.6	394	1	US-08-555-568B-17	Sequence 17, Appl
16	2084	57.6	394	2	US-09-519-223-17	Sequence 17, Appl
17	2084	57.6	394	4	US-09-927-180-17	Sequence 17, Appl
18	1531	42.3	292	2	US-08-555-568B-19	Sequence 19, Appl
19	1531	42.3	292	3	US-09-519-223-19	Sequence 19, Appl
20	1531	42.3	292	4	US-09-927-180-19	Sequence 19, Appl
21	1163.5	32.1	896	4	US-09-270-767-46130	Sequence 46130, A
22	902.5	24.9	545	4	US-09-270-767-61684	Sequence 61684, A
23	371	10.2	143	4	US-09-270-767-33298	Sequence 33298, A
24	338	9.3	843	2	US-09-172-977-3	Sequence 3, Appli
25	338	9.3	843	4	US-09-404-108-3	Sequence 3, Appli
26	332	9.2	1839	4	US-09-172-977-4	Sequence 4, Appli
27	332	9.2	1839	4	US-09-404-108-4	Sequence 4, Appli
28	332	9.2	2753	4	US-09-949-016-7659	Sequence 7659, Ap
29	332	9.2	2753	4	US-09-949-016-7660	Sequence 7660, Ap
30	332	9.2	3924	4	US-09-538-092-1246	Sequence 1246, Ap
31	305.5	8.4	1745	2	US-09-031-485-33	Sequence 33, Appl
32	305.5	8.4	1745	2	US-08-847-429A-33	Sequence 33, Appl
33	305.5	8.4	1745	3	US-09-065-474-33	Sequence 33, Appl
34	305.5	8.4	1745	3	US-09-557-034-33	Sequence 33, Appl
35	302	8.3	786	4	US-09-509-802-2	Sequence 2, Appl
36	302	8.3	787	4	US-09-188-930-334	Sequence 334, App
37	302	8.3	787	4	US-09-312-283C-334	Sequence 334, App
38	296	8.2	1088	3	US-09-082-059-2	Sequence 2, Appl
39	296	8.2	3913	4	US-09-949-016-10933	Sequence 10933, A
40	296	8.2	4377	4	US-09-949-016-6978	Sequence 6978, Ap
41	294	8.1	1719	4	US-09-949-016-6966	Sequence 6966, Ap
42	294	8.1	1856	4	US-09-949-016-6964	Sequence 6964, Ap
43	294	8.1	1880	4	US-09-949-016-5876	Sequence 5876, Ap
44	294	8.1	1881	4	US-09-949-016-6965	Sequence 6965, Ap
45	294	8.1	1883	4	US-09-949-016-9010	Sequence 9010, Ap

ALIGNMENTS

RESULT 1
US-08-555-568B-21

Sequence 21, Application US/08555568B
Patent No. 5976854
; GENERAL INFORMATION:
; APPLICANT: Tang, Jim
; APPLICANT: Jones, Simon
; TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/555,568B
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 687 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-555-568B-21

Query Match   100.0%; Score 3620; DB 2; Length 687;
Best Local Similarity   100.0%;
Matches 687 Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 MQFPGRLVNTFSGVTNLFSNPFRVKEVAVADYTSSDRVREEGQLILFQNTPNRTWDCVLV 60
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Db   1 MQFPGRLVNTFSGVTNLFSNPFRVKEVAVADYTSSDRVREEGQLILFQNTPNRTWDCVLV 60

Qy   61 NPRNSQSGFRLFQLELEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLTDLIRNHPSW 120
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Db   61 NPRNSQSGFRLFQLELEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLTDLIRNHPSW 120

RESULT 1 / INFORMATION FOR SEQ ID NO: 21

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 687 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-09-519-223-21

Query Match   100.0%; Score 3620; DB 3; Length 687;
Best Local Similarity   100.0%; Pred. No. 0;
Matches 687; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 MQFFGRLVNTFSGVTNLFSNPFRVKEVAVADYTSSDRVREEGQLILFQNTPNRTWDCVLV 60
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Db   1 MQFFGRLVNTFSGVTNLFSNPFRVKEVAVADYTSSDRVREEGQLILFQNTPNRTWDCVLV 60

Qy   61 NPRNSQSGFRLFQLELEADALVNFHQYSSQLLPFYESSSPQVLHTEVLQHLTDLIRNHPSW 120
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Qy 181 VTDYKGETVFHYAVQGDNSQVLQLLGRNAVAGLNQVNNQGLTPLHLACRKGDGEILVELVQYCHTQMD 240
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Db 181 VTDYKGETVFHYAVQGDNSQVLQLLGRNAVAGLNQVNNQGLTPLHLACRKGDGEILVELVQYCHTQMD 240

Qy 241 LCNARCNIMGPNGYPIHSAMKFSQKGCAEMIISMDSSQIHSKDPRYGASPLHWAKNAEMA 300
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Db 241 LCNARCNIMGPNGYPIHSAMKFSQKGCAEMIISMDSSQIHSKDPRYGASPLHWAKNAEMA 300

Qy 301 RMLLKRGCNVNSTSSAGNTALHVGVMRNRFDCAIVLLTHGANADARGEHGNTPLHLAMSK 360
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Db 301 RMLLKRGCNVNSTSSAGNTALHVGVMRNRFDCAIVLLTHGANADARGEHGNTPLHLAMSK 360

Qy 361 DNVEMIKALIVFGAEVDTPNDFGETPTFLASKIGKLQDLMHISRARKPAFILGSMRDEKR 420
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Db 361 DNVEMIKALIVFGAEVDTPNDFGETPTFLASKIGKLQDLMHISRARKPAFILGSMRDEKR 420

Qy 421 THDHLLCLDGGGVKGLIIIQLLIAIEKASGVATKDLFDWVAGTSTGGILALALLHSKSMA 480
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Db 421 THDHLLCLDGGGVKGLIIIQLLIAIEKASGVATKDLFDWVAGTSTGGILALALLHSKSMA 480

Qy 481 YMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGEHTKMTDVRKPKVMLTGTLSDRQPAE 540
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Db 481 YMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGEHTKMTDVRKPKVMLTGTLSDRQPAE 540

Qy 541 LHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLVWRAARSSGAAPTYFRPNGRFLDGGL 600
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Db 541 LHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLVWRAARSSGAAPTYFRPNGRFLDGGL 600

Qy 601 LANNPFLDAMTEIHEYNQDLIRKGQANKVKKLSIVVSLGTGRSPQVPVTCVDVFRPSNPW 660
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 601 LANNPFLDAMTEIHEYNQDLIRKGQANKVKKLSIVVSLGTGRSPQVPVTCVDVFRPSNPW 660

Qy 661 ELAKTVFGAKELGKMVVDCCTDPDGRP 687
        |||||||||||||||||||||||||||
Db 661 ELAKTVFGAKELGKMVVDCCTDPDGRP 687

RESULT 3
US-09-927-180-21
Sequence 21, Application US/09927180
Patent No. 6645736
GENERAL INFORMATION:
APPLICANT: Jones, Simon
APPLICANT: Tang, Jim
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25

RESULT 2
US-09-519-223-21
Sequence 21, Application US/0951923
Patent No. 6274140
GENERAL INFORMATION:
APPLICANT: Jones, Simon
APPLICANT: Tang, Jim
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/519,223
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/555,568
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724

Qy 121 SVAHLAVELGIRECFHHSRIISCANCANEBEGCTPLHLACRKGDGEILVELVQYCHTQMD 180
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Db 121 SVAHLAVELGIRECFHHSRIISCANCANEBEGCTPLHLACRKGDGEILVELVQYCHTQMD 180

Qy 181 VTDYKGETVFHYAVQGDNSQVLQLLGRNAVAGLNQVNNQGLTPLHLACQLGKQEMVRVLL 240
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Db 181 VTDYKGETVFHYAVQGDNSQVLQLLGRNAVAGLNQVNNQGLTPLHLACQLGKQEMVRVLL 240

Qy 241 LCNARCNIMGPNGYPIHSAMKFSQKGCAEMIISMDSSQIHSKDPRYGASPLHWAKNAEMA 300
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Db 241 LCNARCNIMGPNGYPIHSAMKFSQKGCAEMIISMDSSQIHSKDPRYGASPLHWAKNAEMA 300

Qy 301 RMLLKRGCNVNSTSSAGNTALHVGVMRNRFDCAIVLLTHGANADARGEHGNTPLHLAMSK 360
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Db 301 RMLLKRGCNVNSTSSAGNTALHVGVMRNRFDCAIVLLTHGANADARGEHGNTPLHLAMSK 360

Qy 361 DNVEMIKALIVFGAEVDTPNDFGETPTFLASKIGKLQDLMHISRARKPAFILGSMRDEKR 420
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Db 361 DNVEMIKALIVFGAEVDTPNDFGETPTFLASKIGKLQDLMHISRARKPAFILGSMRDEKR 420

Qy 421 THDHLLCLDGGGVKGLIIIQLLIAIEKASGVATKDLFDWVAGTSTGGILALALLHSKSMA 480
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Db 421 THDHLLCLDGGGVKGLIIIQLLIAIEKASGVATKDLFDWVAGTSTGGILALALLHSKSMA 480

Qy 481 YMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGEHTKMTDVRKPKVMLTGTLSDRQPAE 540
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Db 481 YMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGEHTKMTDVRKPKVMLTGTLSDRQPAE 540

Qy 541 LHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLVWRAARSSGAAPTYFRPNGRFLDGGL 600
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Db 541 LHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLVWRAARSSGAAPTYFRPNGRFLDGGL 600

Qy 601 LANNPFLDAMTEIHEYNQDLIRKGQANKVKKLSIVVSLGTGRSPQVPVTCVDVFRPSNPW 660
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 601 LANNPFLDAMTEIHEYNQDLIRKGQANKVKKLSIVVSLGTGRSPQVPVTCVDVFRPSNPW 660

Qy 661 ELAKTVFGAKELGKMVVDCCTDPDGRP 687
        |||||||||||||||||||||||||||
Db 661 ELAKTVFGAKELGKMVVDCCTDPDGRP 687